

WHAT IS CLAIMED IS:

1. Device for supplying coating products to the atomizers of an installation for spraying coating products on objects displaced by a conveyor, wherein it comprises at least one principal tank, adapted to supply secondary
5 tanks each intended for an atomizer, and means for displacing said principal tank up to the vicinity of said secondary tanks.
2. The device of Claim 1, wherein the or each principal tank is adapted to contain a sufficient quantity of coating product to supply the secondary tanks intended for the atomizers of the installation for completely coating an object or
10 one side of an object.
3. The device of Claim 1, wherein said displacement means comprise at least one conveyor adapted to displace said principal tank parallel to the direction of advance of a conveyor for displacing the objects.
4. The device of Claim 1, wherein said means for displacing said principal
15 tank are constituted by the conveyor for displacing said objects to be coated.
5. The device of Claim 1, wherein said principal tank is adapted to be connected to at least one secondary tank borne by a robot and associated with an atomizer.
6. The device of Claim 1, wherein it comprises at least one station for
20 temporary storage of at least one secondary tank and means for temporary connection of a principal tank with at least one secondary tank in place in said station.
7. Method for supplying coating products to at least one atomizer of an installation for spraying coating products,
25 wherein it comprises the steps consisting in:
 - conducting at least one principal tank containing a coating product up to

the vicinity of at least one secondary tank intended for an atomizer;

- transferring coating product from said principal tank towards said secondary tank, and

- supplying said atomizer with coating products from said secondary tank.

5 8. The method of Claim 7, wherein it comprises the steps consisting in:

- conducting said principal tank up to in the zone of activity of a robot for positioning said atomizer and a secondary tank intended for said atomizer;

- displacing said secondary tank by means of said robot up to the immediate vicinity of said principal tank before transferring said product from

10 said principal tank towards said secondary tank, and

- after the transfer, displacing said secondary tank towards a position in which said atomizer is able to coat said objects.

9. The method of Claim 7, wherein it comprises the steps consisting in:

- conducting said principal tank up to the vicinity of a station for

15 temporary storage of at least one secondary tank;

- transferring product from said principal tank towards at least one secondary tank in place in said station, and

- mounting at least one secondary tank filled from said principal tank on a paint-applying robot.

20 10. The method of Claim 9, wherein each secondary tank forms a sub-assembly with an atomizer for which it is intended, and in that such a sub-assembly is mounted on said robot after filling of said secondary tank in said temporary storage unit.

11. The method of Claim 7, wherein it consists in filling said principal tank

25 with a sufficient quantity for coating the same object or one side of the same object by different atomizers, and in supplying said atomizers by means of

F05T 11/2350

12. Installation for spraying coating products comprising a device according to Claim 1.